PTO/SB/96 (06-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)							
Applicant/Patent Owner: American Axle & Manufacturing, Inc.							
Application No./Patent No.: 10/769,740 Filed/Issue Date: January 30, 2004							
Entitled: RING GEAR AND MANUFACTURING METHOD FOR SUCH A RING GEAR							
American Axle & Manufacturing , a corporation							
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government age							
states that it is:							
1. the assignee of the entire right, title, and interest; or	•						
2. an assignee of less than the entire right, title, and interest							
The extent (by percentage) of its ownership interest is % in the patent application/patent identified above by virtue of either:							
A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copthereof is attached.	<u>'</u> y						
OR							
B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assigned shown below:	as						
To: The document was recorded in the United States Patent and Trademark Office at							
Reel, Frame, or for which a copy thereof is attached.							
2. From: To:							
The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.							
3. From:							
The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.							
Additional documents in the chain of title are listed on a supplemental sheet.							
Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., a true copy of the original document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]							
The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.							
Signature Date							
Patrick S. Lancaster 313-758-4234							
Printed or Typed Name Telephone Number							
Vice President, Chief Administrative Officer & Talecretary							

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

AAM DEPARTMENT / LOCATION

Manufacturing Services / Detroit Corporate Offices

FILE NO.

MAREOPOO

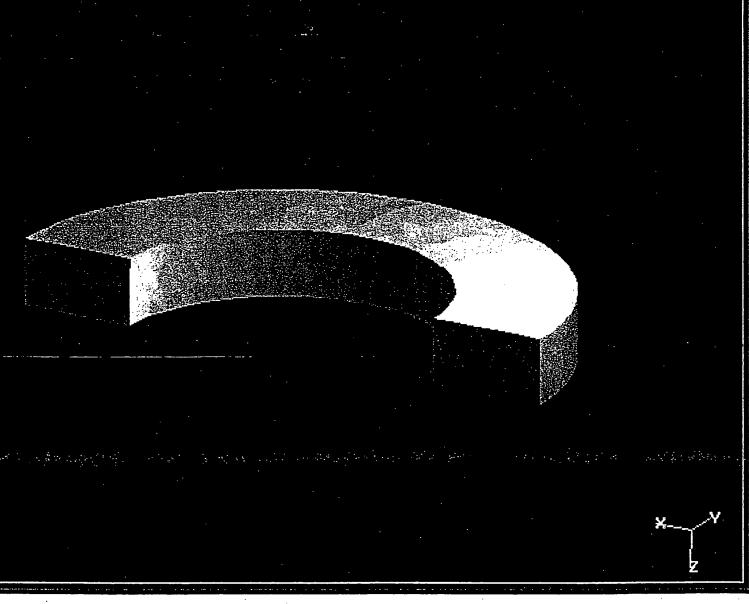
SUBJECT	TOOLS FOR RING GEAR	MANUFACTURING USIN	IG TUBULAR BILLET	<u> </u>					
Inventor	Dr.Bamidele	Olugbernga_	Oyekanmi_	Citizen of:	NIGERIA				
	First Name	Middle Name	Last Name	•	•				
Social Security No.	386-25-6757								
Home Address	29355 Sharon Lane	Southfield, MI	48076						
	Street	City and State	ZIP Code						
	4040 Halbarah Ave	Dotroit Mi	48212	AAM Telephone:	(313) 974-2991				
AAM Address	1840 Holbrook Ave. Street	Detroit, MI City and State	ZIP Code	Advir relephone.	(515) 514-2551				
1. This invention is disclosed in the following sketches, drawings, written description, and/or technical reports: See attachments									
2. This invention was first	thought of			. on:	REDACTED				
				-	REDACTED				
3. First sketch or drawing	was made		by: <u>Dr. Bamidele O</u>	. Oyekanmi on:					
4. First written description	was made		by: Dr. Bamidele O	. Oyekanmi on:	REDACTED _.				
5. This invention was first	disclosed to	to: Bryan Prucher		on:	REDACTED				
6. First tests were made			by: Dr. Bamidele O	. Oyekanmi on:	REDACTED				
7. This invention was or is Forge Enter	expected to be published or prises International, for To	or disclosed outside AAM tools Manufacture Wax	o: Model Trial	on:	REDACTED				
8. This invention was or is	expected to be used in pro	duction starting	·	on:	REDACTED				
9. In addition to those ide Yogendra N	ntified above, the following p I. Rahangdale, Inacio Mori	people can also attest to fa guchi, Ed Carter, Terry C	acts relating to the ma Chilson, John Pale	king of this invention:					
10. The nearest thing or the	hings to this invention that I	know of are: None.							
I HEREBY ASSIGN THIS APPLICATION FOR PAT	INVENTION TO AMERICA ENT ON MY BEHALF.	N AXLE & MANUFACTU	RING, INC. AND AUT	HORIZE TO FILE AN					
	•		C	46					
^				INVENTOR SIGNATU	RE				
		•	Da Damidal	lo O. Ovokonmi	2/5/2003				
This invention was review	ed and understood by me:			le O. Oyekanmi ENTOR	DATE				
WITNESS	-> 2/18/03 DATE	-							
2/1	ا ما ا	•							

Keyword: RINGGEAR.KEY

Tue Feb 18 09:56:51 2003 OITAREPO (English -Thm-Def) SFTC DEFORM-3D PRE 4.0 2002

Object 1 PLASTIC

BILLET



00403AAM 00503AAM

Keyword: RINGGEAR KEY

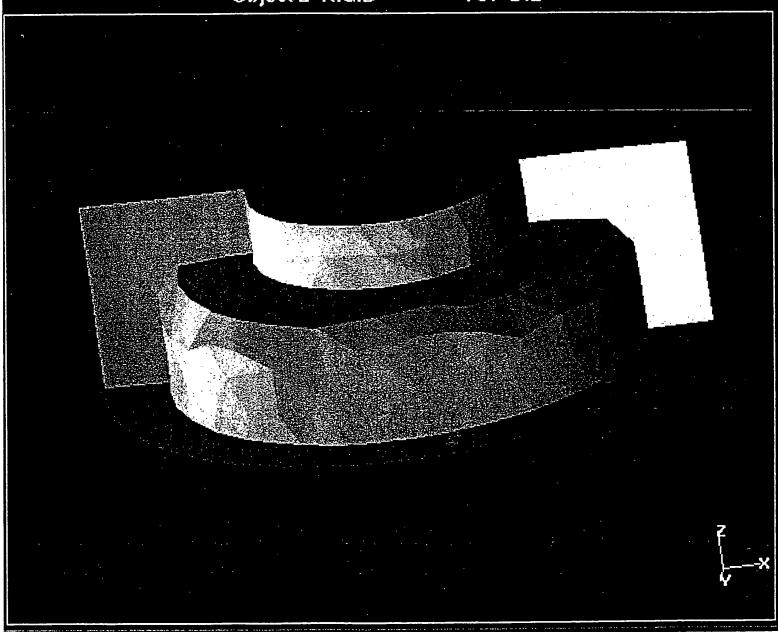
Tue Feb 18 09:51:52 2003

OITAREPO (English -Thm-Def)

SFTC DEFORM-3D PRE 4.0 2002

Object 2 RIGID

TOP DIE



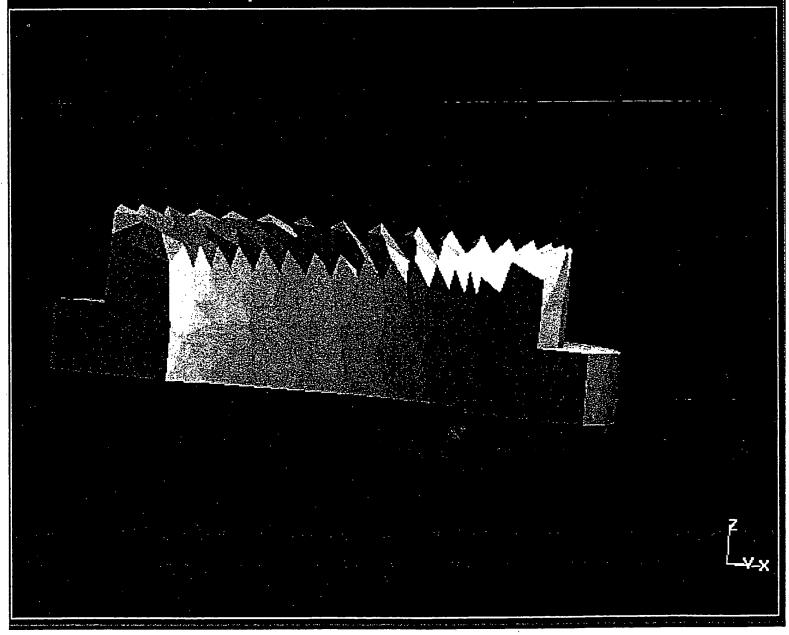
0**0403AAM** 00503AAM

Keyword: RINGGEAR KEY

Tue Feb 18 09:52:30 2003 OITARÉPO (English -Thm-Def) SFTC DEFORM-3D PRE 4.0 2002

Object 3 RIGID

BOTTOM DIE



00403AAM 00603AAM

Keyword: RINGGEAR KEY

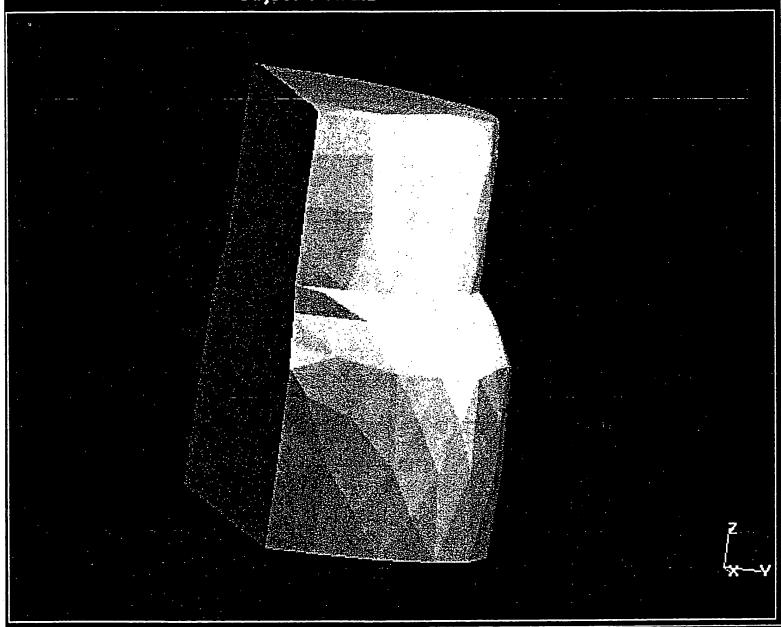
Tue Feb 18 09:52:54 2003

OITAREPO (English -Thm-Def)

SFTC DEFORM-3D PRE 4.0 2002

Object 4 RIGID

ANVIL

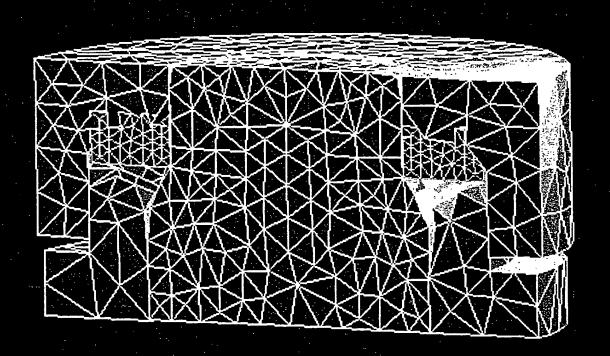


00403AAM 00503AAM

Keyword: RINGGEAR KEY

Tue Feb 18 09:59:15 2003 OITAREPO (English -Thm-Def) SFTC DEFORM-3D PRE 4.0 2002

Defined Objects



00403AAM 00603AAM

AAM DEPARTMENT / LOCATION

Manufacturing Services / Detroit Corporate Offices

FILE NO.

00503AAM

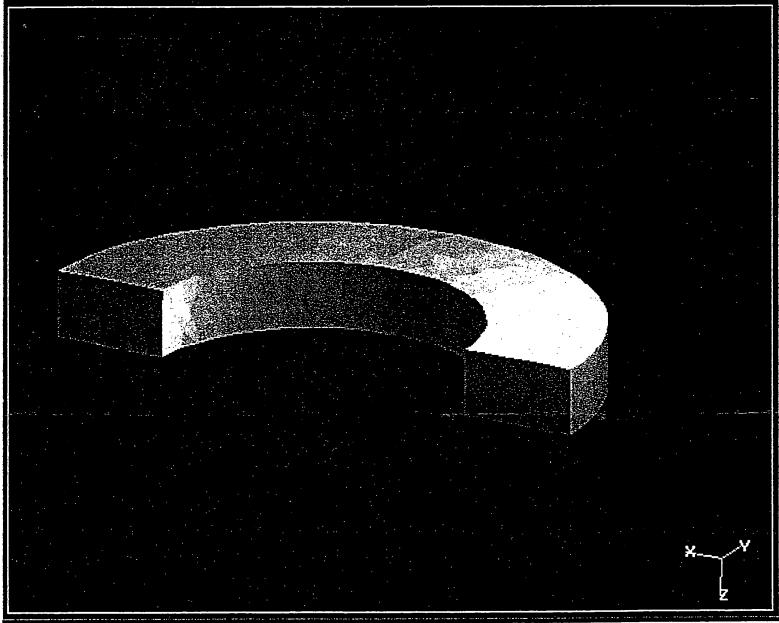
SUBJECT	RING GEAR MANUFACT	URING USING TUBULAR	BILLET		-				
Inventor	Dr.Bamidele	Olugbemga	Oyekanmi	Citizen of:	NIGERIA				
	First Name	Middle Name	Last Name						
Social Security No.	386-25-6757	-		•					
Home Address	29355 Sharon Lane	Southfield, MI	48076						
	Street	City and State	ZIP Code						
AAM Address	1840 Holbrook Ave.	Detroit, MI	48212	AAM Telephone:	(313) 974-2991				
	Street	City and State	ZIP Code						
1. This invention is disclosed in the following sketches, drawings, written description, and/or technical reports: See attachments									
2. This invention was first	thought of	•	•	on:	REDACTED				
3. First sketch or drawing	was made		by: Dr. Bamidele O	. Oyekanmi on:	REDACTED				
4. First written description	was made		by: Dr. Bamidele O	. Oyekanmi on:	REDACTED				
5. This invention was first	disclosed to	to: Bryan Prucher		on:	REDACTED				
6. First tests were made			by: Dr. Bamidele O	. Oyekanmi on:	REDACTED				
	expected to be published of prises International, for T			on:	REDACTED				
8. This invention was or is	expected to be used in pro	duction starting		on:	REDACTED				
	itified above, the following . Rahangdale, Inacio Mori			king of this invention:	· 				
10. The nearest thing or th	ings to this invention that I	know of are:							
		None.							
I HEREBY ASSIGN THIS APPLICATION FOR PATE	INVENTION TO AMERICA ENT ON MY BEHALF.	N AXLE & MANUFACTUR	RING, INC. AND AUTH	HORIZE TO FILE AN					
		-		NVENTOR SIGNATU	IKE .				
This invention was reviewe	ed and understood by me:		Dr. Bamidele	O. Oyekanmi	2/5/2003				
brichan	2 2/10/12	•	INVE	NTOR	DATE				
WITNESS	DATE	•							
WITNESS	2/10/03	•							
VIIINEDS	DATE								
1	•								

Keyword: RINGGEAR.KEY

Tue Feb 18 09:56:51 2003 OITAREPO (English -Thm-Def) SFTC DEFORM-3D PRE 4.0 2002

Object 1 PLASTIC

BILLET



00403AAM 00503AAM

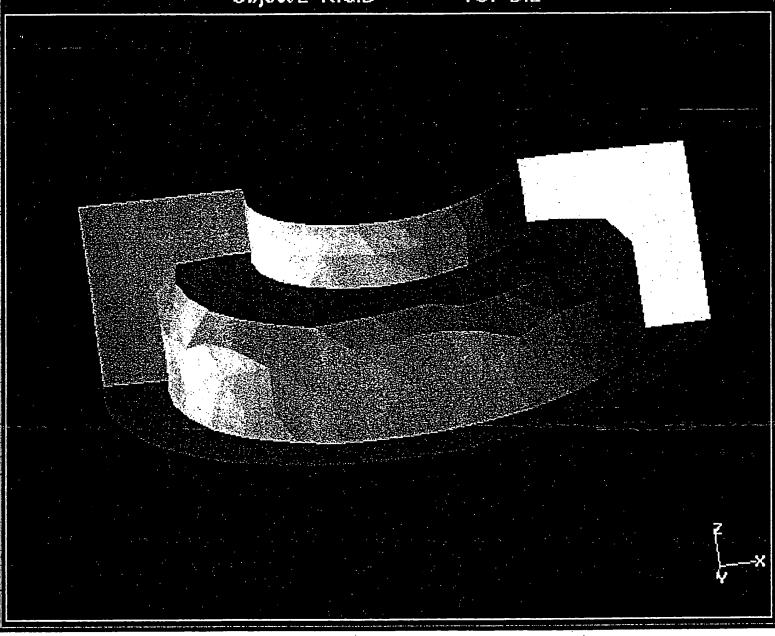
Keyword: RINGGEAR KEY

Tue Feb 18 09:51:52 2003
OITAREPO (English -Thm-Def)

SFTC DEFORM-3D PRE 4.0 2002

Object 2 RIGID

TOP DIE



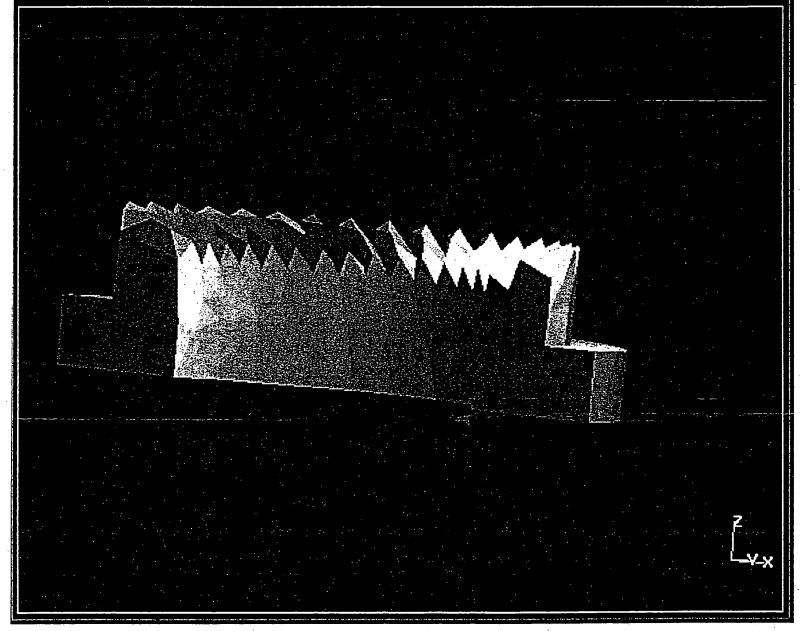
00403AAM 00503AAM

Keyword: RINGGEAR KEY

Tue Feb 18 09:52:30 2003 OITAREPO (English -Thm-Def) SFTC DEFORM-3D PRE 4.0 2002

Object 3 RIGID

BOTTOM DIE



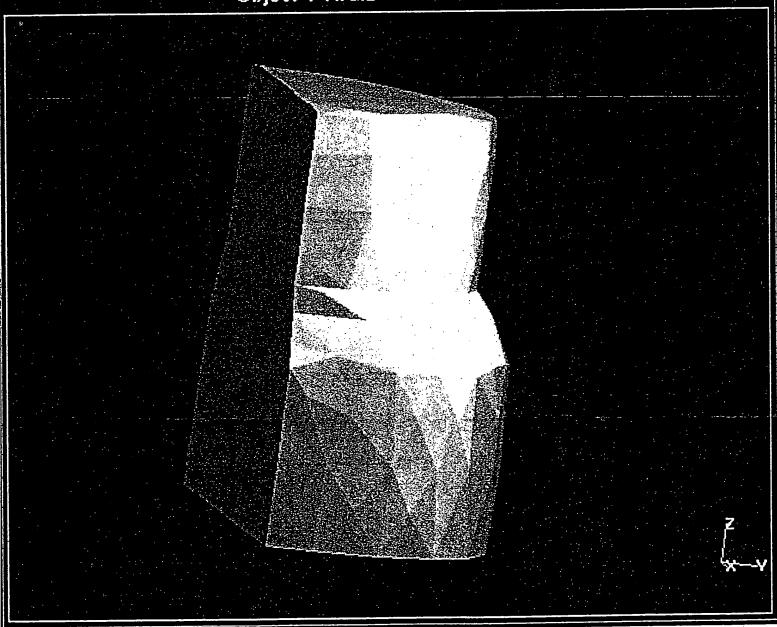
00403AAM

Keyword : RINGGEAR KEY

Tue Feb 18 09:52:54 2003 OITAREPO (English -Thm-Def) SFTC DEFORM-3D PRE 4.0 2002

Object 4 RIGID

ANVIL

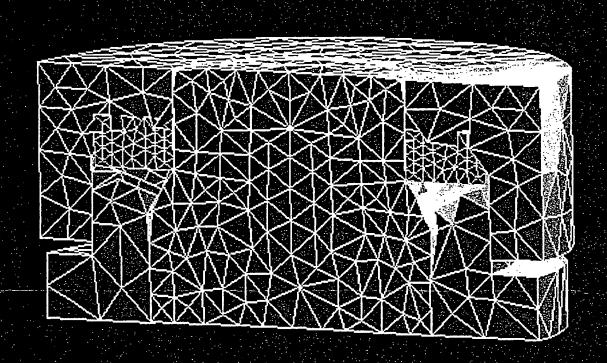


00403AAM

Keyword: RINGGEAR KEY

Tue Feb 18 09:59:15 2003 OITAREPO (English -Thm-Def) SFTC DEFORM-3D PRE 4.0 2002

Defined Objects



Z __Y_X

00403AAM